BRUHAT BANGALORE MAHANAGARA PALIKE

SCHEDULE B

Work: Construction of Ward Office in Mallasandra Sy.No-33 in Ward No-13,Mallasandra Project Sub Division, Dasarahalli Zone

	Qty	Particulars	Unit	Rate(in Rs.)	In Words
1	180	Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of thorney jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. as per Engineer in charge.	Sqm	12.00	Rupees Twelve Only
2	36	Excavation for road way in all types of soil by mechanical means including cutting and pushing the earth to site of embankment including trimming bottom and side slopes in accordance with requirements of lines, grades and cross sections complete as per specifications. as per Engineer in charge.	cum	86.00	Rupees Eighty Six Only
3	94	Earthwork in surface excavation in ordinary soil for leveling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications. as per Engineer in charge.	cum	197.00	Rupees One Hundred Ninety Seven Only
4	100	Construction of sub-grade and earthen shoulders with approved material Gravel/Murrum with ail lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table No. 300-2 complete as per specifications, including cost of earth, watering charges & compaction by vibratory roller to 97% of proctors density) as per Engineer in charge.	cum	417.00	Rupees Four Hundred Seventeen Only
5	300	Earthwork excavation for foundation of buildings, water cum supply, sanitary lines and electrical conduits either in pits or in trenches1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m.after breaking of clods complete as per specifications as per Engineer in charge.	cum	238.00	Rupees Two Hundred Thirty Eight Only
6	150	Extra for additional lift of 1.5m. or part thereof for excavation In loose / soft or hard rock including cost of materials, labour complete as per specifications, as per Engineer in charge.	cum	28.00	Rupees Twenty Eight Only
7	100	Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier underand around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured) as per Engineer in charge.	Sqm	117.00	Rupees One Hundred Seventeen Only
8	1000	Providing pressure grouting for construction joints with cement grout point mixed with plasticised expanding grout admixture at 225 grams/bag of cement conforming to BS:8110 p a r ti-1985, Section 8,9,4.6. as per Engineer in charge.	Point	108.00	Rupees One Hundred Eight Only
9	45	Providing and Filling in foundation with granite / trap cum broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead upto 50m.and lift of 1.5m,complete as per specifications, as per Engineer in charge.	cum	2,665.00	Rupees Two Thousand Six Hundred Sixty Five Only
10	32.25	Providing and laying in position plain cement concrete of cum mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. as per Engineer in charge.	cum	5,513.00	Rupees Five Thousand Five Hundred Thirteen Only
11	31.27	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. as per Engineer in charge.	Cum	4,751.00	Rupees Four Thousand Seven Hundred Fifty One Only
12	9.9	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per as per Engineer in charge.	Cum	5,679.00	Rupees Five Thousand Six Hundred Seventy Nine Only
13	52.69	Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super piasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspiliars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. as per Engineer in charge.	Cum	6,796.00	Rupees Six Thousand Seven Hundred Ninety Six Only

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Dasarahalli Zone, Bangalore-73

Executive Enginee

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		Filling available excavated earth (excluding rock) in sides cum of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. as per Engineer in charge.	Cum	160.00	Rupees One Hundred Sixty Only
	67.32	Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications, as per Engineer in charge.	cum	320.00	Rupees Three Hundred Twenty Only
16	37.08	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm cum and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, Unties, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fiHets Etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications, as per Engineer in charge.	cum	6,956.00	Rupees Six Thousand Nine Hundred Fifty Six Only
17	7.5	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum and fine aggregtes @ 0.0345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. as per Engineer in charge.	Sqm	498.00	Rupees Four Hundred Ninety Eight Only
18	13.43	Providing RCC loft (atta) 7.5cms thick with cement concrete design sqm mix M20 using clean granite or trap jeiiy of 20mm and down size with necessary reinforcements at 20cms centre to centre as per design including form work, centring, curing, etc., complete (exclusive of cost of steel and fabrication charges). as per Engineer in charge.	Sqm	511.00	Rupees Five Hundred Eleven Only
19	2.73	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded cum granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, nciuding cost of all materials, labour, HOM of machinery, curing complete as per specifications. as per Engineer in charge.	cum	5,944.00	Rupees Five Thousand Nine Hundred Forty Four Only
20	27.28	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. as per Engineer in charge.	Sqm	291.00	Rupees Two Hundred Ninety One Only
21	153	Providing and removing shoring and strutting for protecting the sides of foundation trenches, wherever required, including cost of all materials and labour complete as per specifications, as per Engineer in charge.	Sqm	659.00	Rupees Six Hundred Fifty Nine Only
22	108	Providing and removing centering, shuttering, strutting, Sqm. propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. as per Engineer in charge.	Sqm	461.00	Rupees Four Hundred Sixty One Only
23	137.2	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. up to 3.50m from Ground level. as per Engineer in charge.	Sqm	395.00	Rupees Three Hundred Ninety Five Only
24	16.29	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications. as per Engineer in charge.	Sqm	855.00	Rupees Eight Hundred Fifty Five Only
25	144.7	Providing and removing centering, shuttering, strutting, Sqm propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. as per Engineer in charge.	Sqm	323.00	Rupees Three Hundred Twenty Three Only
26	10.82	Providing and removing centering, shuttering, strutting, Sqm propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. as per Engineer in charge.	Sqm	340.00	Rupees Three Hundred Forty Only
27	11.44	Providing and removing centering, shuttering, strutting, gqm propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. as per Engineer in charge.	Sqm	599.00	Rupees Five Hundred Ninety Nine Only
28	13.02	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	Tonne	68,762.00	Rupees Sixty Eight Thousand Seven Hundred Sixty Two Only
29	46.16	Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of class designation 7.5Newton per sqmm (Machine moulded Wirecut bricks) with cement mortar 1:8 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. as per Engineer in charge.	Sqm	12,309.00	Rupees Twelve Thousand Three Hundred Nine Only

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Dasarahalli Zone, Bangalore-73.

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	272	Providing textured paint of approved quality, colour and shade to wall surface after cleaning and rubbing the wall surface with wire brush of medium size emery stone to remove all the loosely adhering particles, the surface is then cleaned with water and ensured that it is in line and level. The textured material is then mixed with 40-50% of clean water until a homogeneous thick slurry is formed, the slurry is left for 5-10 min, to react completely with ingredients. The textured finish prepared as above is then applied to the wall surface with suitable roller/spray gun/putty/ blade/ trowel to get the desired finish. The finished surface shall be applied with two coats of exterior paint of approved shade. The rate includes providing and removing scaffolding, all lead and lift and all other incidental charges etc., complete as per directions of theEngineer-in-charge of the work. as per Engineer in charge.	Sqm	395.00	Rupees Three Hundred Ninety Five Only
44	19.08	Applying priming coat over new wood surface and / or wood based surface, after brushing with ready mix enamel priming paint including preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications. as per Engineer in charge.	Sqm	35.00	Rupees Thirty Five Only
45	17.73	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. as per Engineer in charge.	Sqm	95.00	Rupees Ninety Five Only
46	22.41	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. as per Engineer in charge.	Sqm	93.00	Rupees Ninety Three Only
47	292	Providing and fixing plaster mesh 150mm wide manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls chipped for services, junction between RCC and brick walls including cost of materials, labour for fixing complete as per specifications, (length of mesh only be measured for payment) as per Engineer in charge.	M	46.00	Rupees Forty Six Only
48	22.05	Providing ruled pointing to coursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. as per Engineer in charge.	Sqm	111.00	Rupees One Hundred Eleven Only
49	159	0188 Hinges 5" heavy duty	Each	39.00	Rupees Thirty Nine Only
50	62	0427 Tower bolt 300 mm long	Each	126.00	Rupees One Hundred Twenty Six Only
51	300	Providing Screws	Each	3.00	Rupees Three Only
52	3	0220 Locking arrangements	Each	737.00	Rupees Seven Hundred Thirty Seven Only
53	6.38	Providing and fixing stainless steel 304 grade for staircase railings, balconies, ramps, with hand rail, 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc.,complete as per specifications. as per Engineer in charge.	Sqm	6,974.00	Rupees Six Thousand Nine Hundred Seventy Four Only
54	4.7	Providing lime surkhi mortar of mix 1:3 (1 lime putty : 3 surkhi) including cost of all materials, labour charges, HOM of machin3ry complete as per specifications. as per Engineer in charge.	cum	3,217.00	Rupees Three Thousand Two Hundred Seventeen
55	9.39	Providing and fixing M.S. Gate as per Chief Architect Drawing, complete. All the steel surface should bethoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for ail items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specification. as per Engineer in charge.	Sqm	13,105.00	Rupees Thirteen Thousand One Hundred Five Only
56	84.18	Providing full nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification as per Engineer in charge.	M	300.00	Rupees Three Hundred Only
57	1	Providing and fixing white vitreous china clay, water pan closet Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, (approved make) cutting and making good the wall and floor wherever required, including cost of materials, labourcomplete as per specifications. as per Engineer in charge.	Pan	2,452.00	Rupees Two Thousand Four Hundred Fifty Two Only
58	1	Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a single 15mm C.P brass pillar tap with C.I I M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. as per Engineer in charge.	Unit	3,411.00	Rupees Three Thousand Four Hundred Eleven Only

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

Contractor

EXECUTIVE ENGINEER (Project)
Project Division
Executive Engineer
Bruhat Bangalore Mahanagara P...

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		Supplying and fixing PBBC bakelite straight or slant batten holder and wiring within 60w/230 volts Lamps- Group "A" as per Engineer in charge.	Nos	86.00	Rupees Eighty Six Only
	1	Supply patti type fluorescent tube light fitting of 4'- 28 watts fluorescent tube fitting, made out of M.S sheet and stove enameled with HF Electronic Ballast,locking type brass contact holders mounted on double fold type sheet base fully wired for use on 230 Volts A.C Supply including T5 lamp Group – A as per Engineer in charge.	Nos	651.00	Rupees Six Hundred Fifty One Only
96	8	Supplying of recessed/surface mount aesthetic 2'x2' modular luminaries made out of single piece powder coated CRCA sheet steel accommodating all electrical accessories like Energy Saving Electronic Ballast suitable to operate on 230V 50Hz AC supply with 2x36Watts PLL-compact fluorescent lamp, pre-wired up to terminal block with bright anodized aluminum reflector & P5 paralite louvers with spring loaded plastic toggles complete 2x36 Watts Group – A as per Engineer in charge.	Nos	4,625.00	Rupees Four Thousand Six Hundred Twenty Five Only
97	10	Fixing all types and all capacities of fluorescent/false ceiling/spot light/CFL fittings indoor on the wall / ceiling/ rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps . On wall/ceiling/Rafter/Girders as per Engineer in charge.	Nos	95.00	Rupees Ninety Five Only
98	4	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system and as per technical data approved. 48" Sweep (1400mm) a Regular model (23/23) as per Engineer in charge.	Nos	2,311.00	Rupees Two Thousand Three Hundred Eleven Only
99	15	Supply and fixing metal fan box with round hook as per Engineer in charge.	Nos	70.00	Rupees Seventy Only
100	20	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate.. Is 3854 and IS 1293. (16/3.7) (Page No - 16, as per Engineer in charge.6Amps SP Switch	Nos	61.00	Rupees Sixty One Only
101	10	6Amps 3way 5 pin socket	Nos	92.00	Rupees Ninety Two Only
102	50	16Amps SP Switch	Nos	111.00	Rupees One Hundred Eleven Only
103	8	16Amps 3way 5 pin Socket	Nos	143.00	Rupees One Hundred Forty Three Only
104	2	32Amps Flush/projected types DP switch	Nos	160.00	Rupees One Hundred Sixty Only
105	8	Supplying and flush mounting powder coated metal / galvanised metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall (15/3.5) as per Engineer in charge. 1-3Way	Each	89.00	Rupees Eighty Nine Only
106	2	4-5Way	Each	95.00	Rupees Ninety Five Only
107	3	6Way	Each	118.00	Rupees One Hundred Eighteen Only
108	1	8Way	Each	136.00	Rupees One Hundred Thirty Six Only
109	1	10-12Way	Each	155.00	Rupees One Hundred Fifty Five Only
110	2	16Way	Each	167.00	Rupees One Hundred Sixty Seven Only
111	8	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box (15/16/3.6) as per Engineer in charge. 1 to 3 Module	Each	106.00	Rupees One Hundred Six Only
112	2	4Moudule	Each	119.00	Rupees One Hundred Nineteen Only
113	3	6Moudule	Each	168.00	Rupees One Hundred Sixty Eight Only
114	1	8Moudule	Each	195.00	Rupees One Hundred Ninety Five Only
115	1	10Moudule	Each	221.00	Rupees Two Hundred Twenty One Only

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		12Moudule	Each	260.00	Rupees Two Hundred Sixty Only
	25	Supplying and fixing PVC/metal conduit accessories.(2/1.5) as per Engineer in charge deep junction box 19/20mm junction box	Each	46.00	Rupees Forty Six Only
8	3	Supplying wall mounting fan suitable to operate at single-phase 230 V A.C. supply,(84/9.4) as per Engineer in charge.400mm Sweep	Each	2,465.00	Rupees Two Thousand Four Hundred Sixty Five Only
119	12	Supplying and fixing of class A (medium duty)GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arraingements for UG cable of 1.1KV class.40mm as per Engineer in charge.	Rmt	336.00	Rupees Three Hundred Thirty Six Only
120	1	Spplying, fixing ,wiring, earth electrode for grounding conduits, I C cutouts and other equipments on the meter board using 40mm dia 2.9mm thick GI pipe 2.5 mtr long buried in a pit... the pit should be filled with equal proportion of salt and charcoal 150mm alround the pipe to complete depth. The connectionh from the pipe to the conduit etc, is to be established through GI wire of size as per ISI Specification 7.3.3. of IS 732 using 12mm dia bolts, nuts,wahers anfd check nuts etc,the pipe shall have 16 through hole of 122 mm dia(68/1) as per Engineer in charge.	Nos	2,653.00	Rupees Two Thousand Six Hundred Fifty Three Only
121	20	Suppling and running GI/Copper conductor for grounding and (along with other wires in conduit system of wiring) using necessary suitable size clamps,nails,guttas/spacers. GI Wire c) 8SWG as per Engineer in charge.	Rmt	19.00	Rupees Nineteen Only
122	25	Supplying tinned copper lugs crimping and wiring to terminal point for wire of the following sizes.2.5sqmm. as per Engineer in charge.	Nos	3.00	Rupees Three Only
123	2	Supplying tinned copper lugs crimping and wiring to terminal point for wire of the following sizes.-35Sqmm Long Barrel as per Engineer in charge.	Nos	35.00	Rupees Thirty Five Only
124	8	Supplying surface mounted type mirror optic luminaries for single/Twin 28watts fluorescent lamps cross rising of stove enameled deep coloured M.S.low profile housing complete with all accessories and high purity anodized aluminum reflector assembling along with cross louvers including necessary fluorescent tubes with Energy Saving Electronic Ballast. (21/4.9) as per Engineer in charge.2x4'-28 Watts Group A 2x4'-28 Watts	Each	3,918.00	Rupees Three Thousand Nine Hundred Eighteen Only
125	2	Group 'A'(I No-4.9.1 of PWD S.R 2014-15)	Each	2,668.00	Rupees Two Thousand Six Hundred Sixty Eight Only
126	2	Supply box type suitable for 20W T5 single/twin Lamp & suspension mounted luminaire & optical reflector. Prewired with HF electronic Ballast, push fit type lamp holder & main connectores. Channel cover shall be made of CRCA MS Sheet and finishing is done with stove enamelled whith end caps made of engineering plastic. (20/4.7) 1x4'-28 Watts	Each	963.00	Rupees Nine Hundred Sixty Three Only
127	1	Supplying CFL mirror light fitting with 2x11W CFL lamp, choke, Perspex cover and completely wired for use on 230V 50Hz AC (25/4.25) Group A	Each	630.00	Rupees Six Hundred Thirty Only
128	1	Geophysical investigation of site for sinking borewell for supplying drinking water to the habition either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting vennur or schiumbergers's method, including reconnaissance survey of geological formation. Geological investigation of existing ground water in vicinity, its quality, quantity and acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including trasportation of instruments and accessories to work site, engaging technical personal and labour required etc as per Engineer in charge.	Nos	1,831.00	Rupees One Thousand Eight Hundred Thirty One Only
129	50	Sinking of borewell of 165mm clear using super fast hydraulic rig of capacity 250 PSIG & above 900 MCF & above in all strata including over burden upto 22m, fixing of casing pipes, collars and cap with necessary cutting and threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables, etc.; complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes, collars and cap etc.,) as per Engineer in charge.0.00 to 50.00 Mtr.	m	298.00	Rupees Two Hundred Ninety Eight Only
130	50	50.00 to 100.00 Mtr.	m	389.00	Rupees Three Hundred Eighty Nine Only
131	50	100.00 to 150.00 Mtr.	m	433.00	Rupees Four Hundred Thirty Three Only
132	50	150.00 to 200.00 Mtr.	m	457.00	Rupees Four Hundred Fifty Seven Only
133	50	200.00 to 250.00 Mtr.	m	529.00	Rupees Five Hundred Twenty Nine Only

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EXECUTIVE ENGINEER (Project)
Executive Engineer
Bruhat Bangalore Mahanagara

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		250.00 to 300.00 Mtr.	m	567.00	Rupees Five Hundred Sixty Seven Only
	30	Supply of ISI mark 175mm nominal Bore, Plain end Steel casing pipe grade of steel Fee 410 of wall thickness 5.4mm thick conforming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1378/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7 mtrs. both ends threads conforming to IS 554/1985, one end fixed with socket confirming to IS 4270:2001 and the other end with screwed pipes. All pipes shall be reasonably free from defects. The tubes shall be reasonably straight should be with ISI marking, weighing 25.10kg/mtr. (inclusive of all taxes and duties) Prices include collar medium duty. as per Engineer in charge	Rmt	1,289.00	Rupees One Thousand Two Hundred Eighty Nine Only
136	8	Providing Borewell Collars 175mm dia (Material Component	Each	146.00	Rupees One Hundred Forty Six Only
137	1	Providing Borewell Cap 175mm Dia (Material Component	Each	97.00	Rupees Ninety Seven Only
138	245	Supply and delivery of galvanized mild steel tubes heavy class (B-class) conforming to IS 1239-1979 part 1/1979 with latest amendments with ISI Mark haeavy duty collar and other end fitted with protective cover 50mm dia.(Material Component Sl No. 509, as per Engineer in charge.	Rmt	312.00	Rupees Three Hundred Twelve Only
139	60	Providing Borewell Collars 50 mm dia (Material Component)	Each	122.00	Rupees One Hundred Twenty Two Only
140	1	Supplying of Submersible Three Phase Pumpset for borewell of approved make ATLANTA, SUGUNA, C.R.I., KIRLOSKAR and other equivalent pumps. 10 HP /7.5KW 20 stages (Rate List of Materials Sl No. 21 as per Engineer in charge.	Each	48,732.00	Rupees Forty Eight Thousand Seven Hundred Thirty Two Only
141	1	Erection of pumpset including aligning and balancing with all necessary erection material and labour including supply and errection of two pair of supporting clamps bore well cap, cable clips, GI pipe and transportation GI pipe from Central Stores to site 50mm dia GI pipe will be supplied by Departmentally at free of cost as per Engineer in charge.	Nos	3,794.00	Rupees Three Thousand Seven Hundred Ninety Four Only
142	270	Supply and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS 8130-1984 and latest amendments of IS 694/1990 and Virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts.1 x 3 x 4 sqm (Group A as per Engineer in charge.	Rmt	160.00	Rupees One Hundred Sixty Only
143	22	Supplying of LTUG cable having aluminum conductor PVC insulated sheeted galvanized steel wire tape armored cable with PVC other sheeting 101 KV class 4 core 16sqmm.including laying charges as per Engineer in charge.	Nos	165.00	Rupees One Hundred Sixty Five Only
144	1	Supplying & fixing LT Iron pot heads suitable for 1.1KV class UG Cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts and nuts and washers etc., 4 core 16 sqmm. as per Engineer in charge.	Nos	265.00	Rupees Two Hundred Sixty Five Only
145	7	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. 65mm. as per Engineer in charge.	Rmt	242.00	Rupees Two Hundred Forty Two Only
146	1	Supplying, fixing, wiring, earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia. 2.90mm thick GI pipe 2.5mtr. long buried in a pit. The Pit should be filled with equal proportion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 120mm dia. bolt, nuts, washers and checknuts etc., the pipe shall have 16 through of 122mm dia	Nos	1,605.00	Rupees One Thousand Six Hundred Five Only
47	1	Gun Metal 50mm Non Return Vavle of Horizental type of as per Engineer in charge.	Each	1,181.00	Rupees One Thousand One Hundred Eighty One Only
48	1	Supplying and fixing polished wood board made of not less than 15mm thick on both sides with made out of not more than 2 piece and fixing the same to the wall using tapered inverted wooden plugs screws etc., 500 x 500 x 65mm (20'x20'x5") as per Engineer in charge.	Each	303.00	Rupees Three Hundred Three Only
49	1	Supplying and fixing MCB on existing MCB distribution board using necessary materials and wiring complete as required 32 amps as per Engineer in charge.	Each	881.00	Rupees Eight Hundred Eighty One Only
50	3	Supplying and fixing one of the fuse cut outs having porcelain base approved quality on the existing wooden block and wiring complete 16amps. as per Engineer in charge.	Each	225.00	Rupees Two Hundred Twenty Five Only
51	1	Shunt capacitor conforming to IS 2843, 3 phases 400/400 Volts grade for power factor improvements of rotating machinery. as per Engineer in charge.	Each	1,313.00	Rupees One Thousand Three Hundred Thirteen Only
2	1	Fixing of shunt capacitor with necessary clamps bolts and nuts to existing wooden meter boards including banking of more than the capacitor. as per Engineer in charge.	Each	97.00	Rupees Ninety Seven Only

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EXECUTIVE ENGINEER (Proje
Project Division
Executive Engineer

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...ing the installation by applying to the concerned BESCOM authorities including fixing ... energy meter as per the procedure of BESCOM as per Engineer in charge.	Nos	9,727.00	Rupees Nine Thousand Seven Hundred Twenty
...mm PVC Pipes 10KG/Sqcm 90mm outerdia as per Engineer in charge.	M	340.00	Rupees Three Hundred Forty Only

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